

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082118\
 Data File : VD059869.D
 Acq On : 21 Aug 2018 21:34
 Operator : JC/SY
 Sample : J4535-10
 Misc : 5.04g/5ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081618-FL-042

Quant Time: Aug 22 02:21:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 04:40:12 2018
 Response via : Initial Calibration

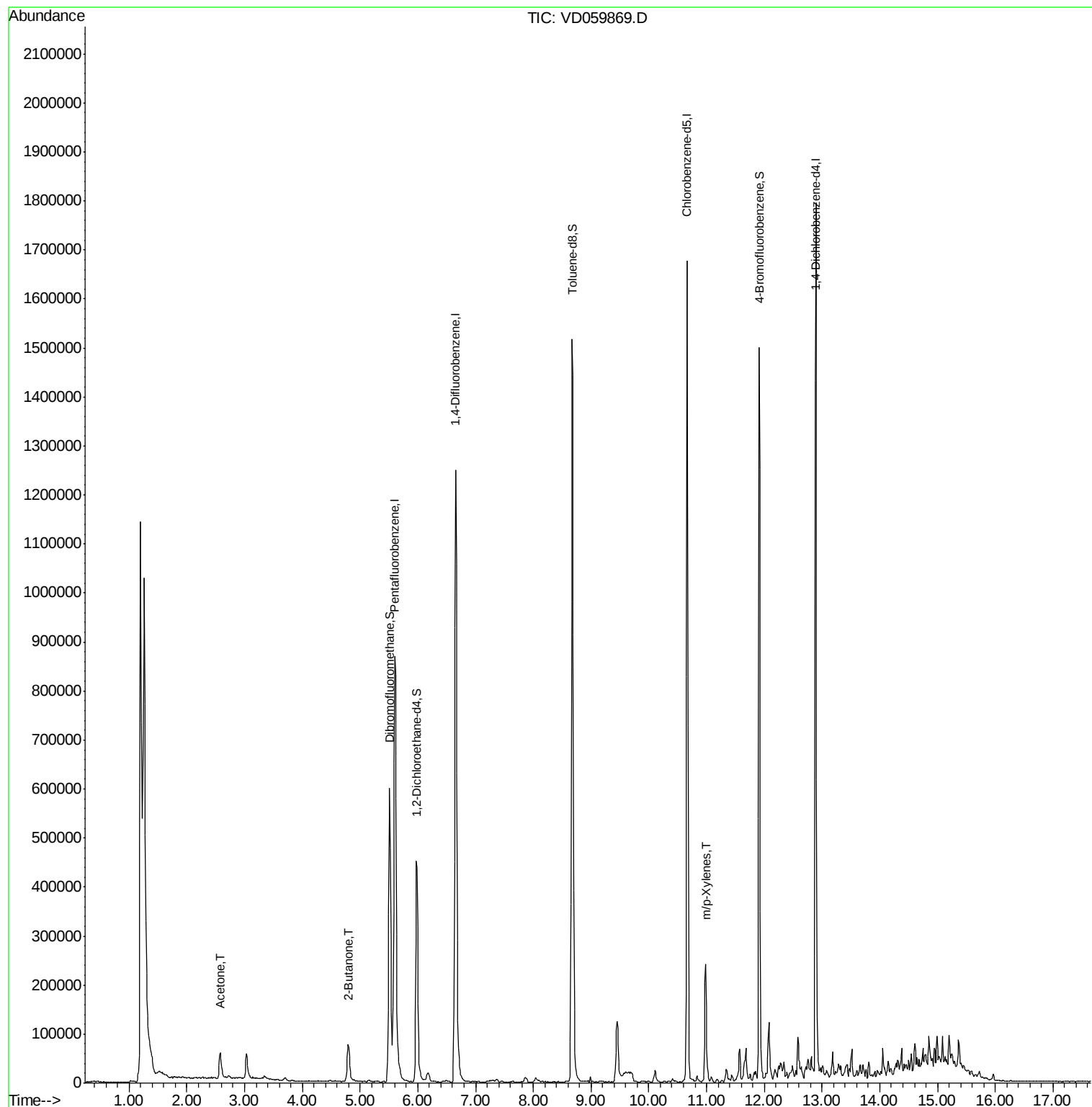
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.61	168	905523	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.66	114	1324339	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1014577	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	420377	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	397976	54.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.82%	
35) Dibromofluoromethane	5.51	113	502851	51.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.66%	
50) Toluene-d8	8.67	98	1290753	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
62) 4-Bromofluorobenzene	11.91	95	443579	43.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.52%	
Target Compounds						
16) Acetone	2.58	43	109646	90.27	ug/l	97
25) 2-Butanone	4.80	43	50903	13.86	ug/l	96
68) m/p-Xylenes	10.98	106	74228	5.91	ug/l	95

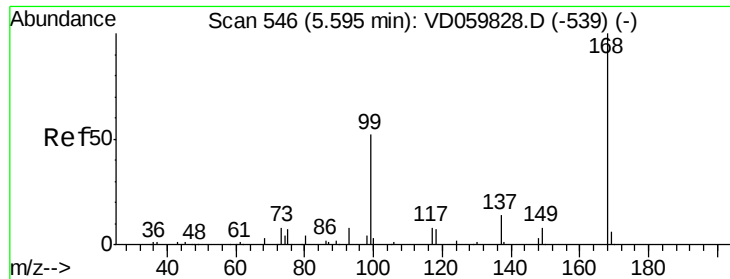
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.61 min Scan# 547

Delta R.T. 0.02 min

Lab File: VD059869.D

Acq: 21 Aug 2018 21:34

Instrument :

MSVOA_D

ClientSampleId :

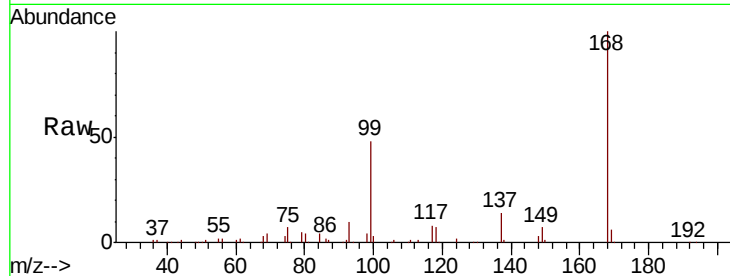
RA-081618-FL-042

Tot Ion:168 Resp: 905523

Ion Ratio Lower Upper

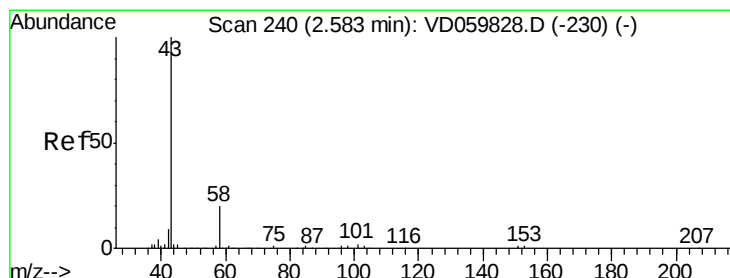
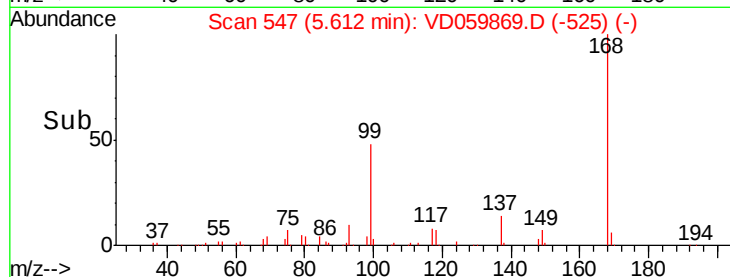
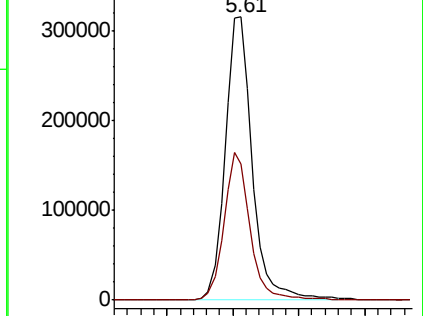
168 100

99 48.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 90.27 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059869.D

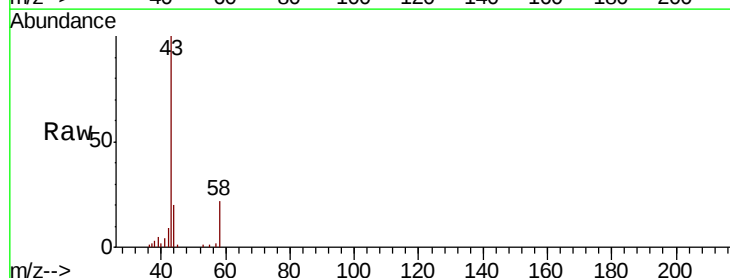
Acq: 21 Aug 2018 21:34

Tgt Ion: 43 Resp: 109646

Ion Ratio Lower Upper

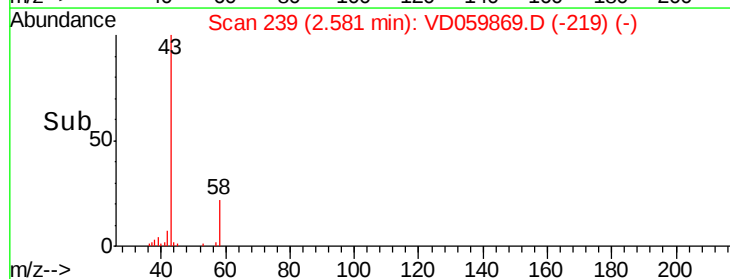
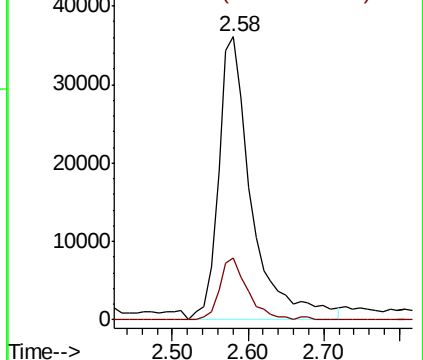
43 100

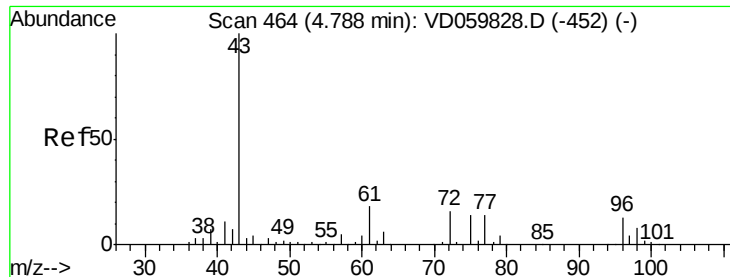
58 21.7 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#25

2-Butanone

Concen: 13.86 ug/l

RT: 4.80 min Scan# 464

Delta R.T. 0.01 min

Lab File: VD059869.D

Acq: 21 Aug 2018 21:34

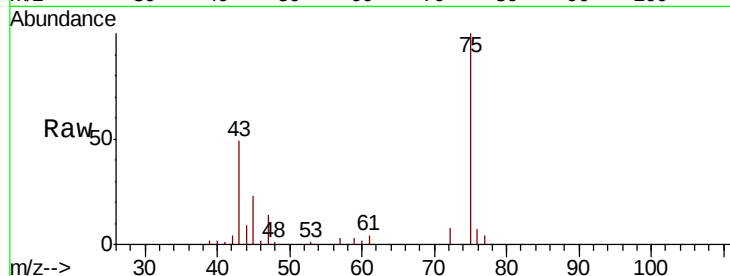
Instrument :
MSVOA_D
ClientSampleId :
RA-081618-FL-042

Tot Ion: 43 Resp: 50903

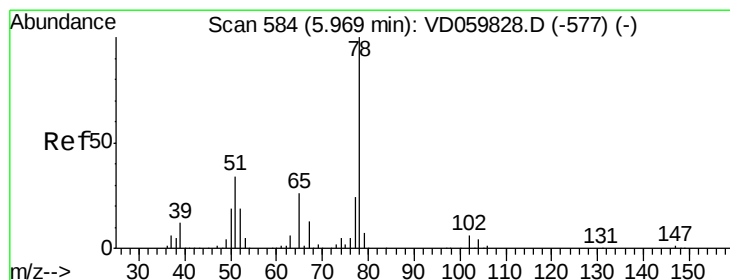
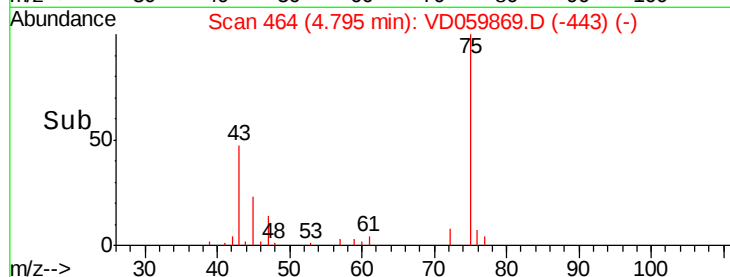
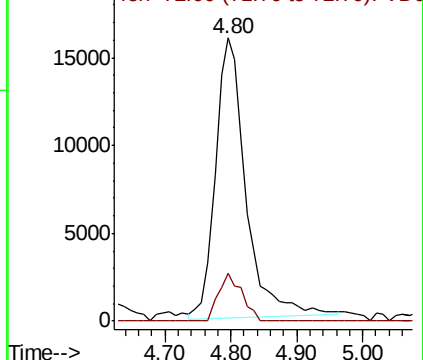
Ion Ratio Lower Upper

43 100

72 17.1 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 5.98 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD059869.D

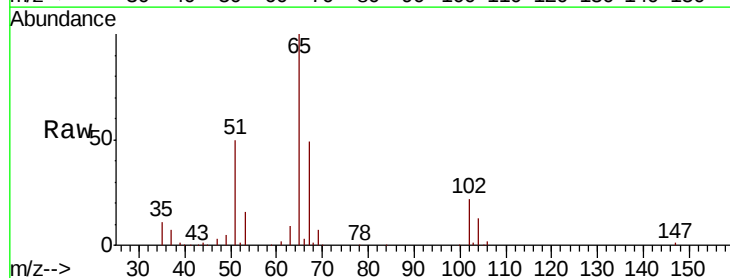
Acq: 21 Aug 2018 21:34

Tgt Ion: 65 Resp: 397976

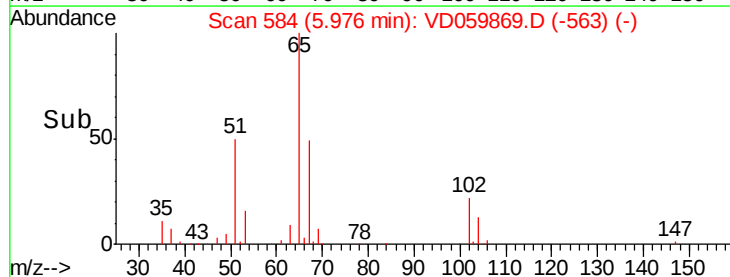
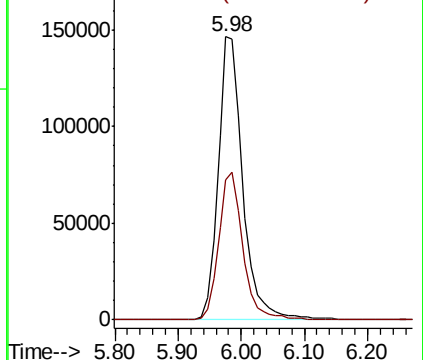
Ion Ratio Lower Upper

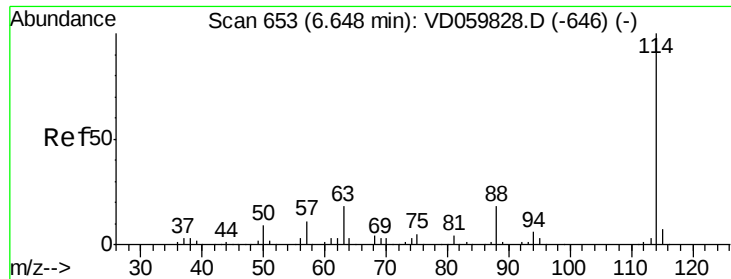
65 100

67 49.4 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

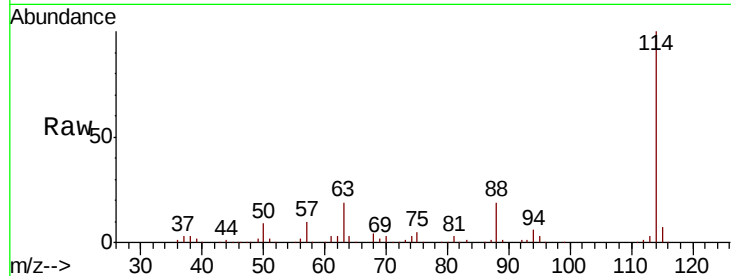




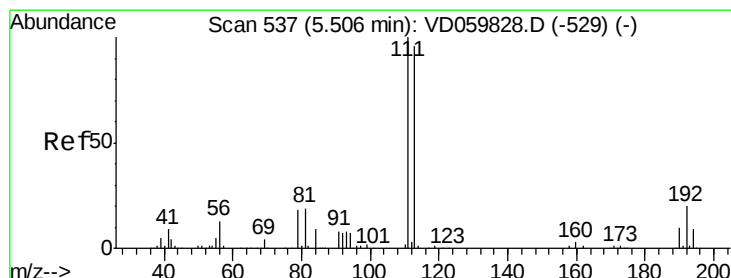
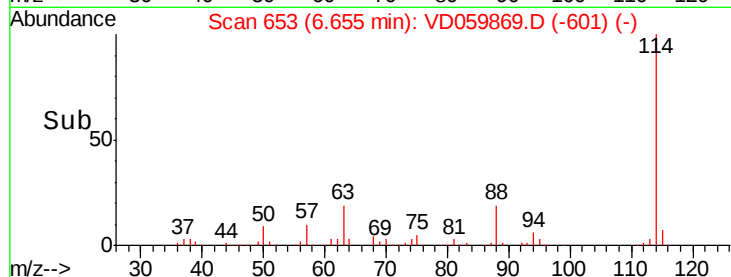
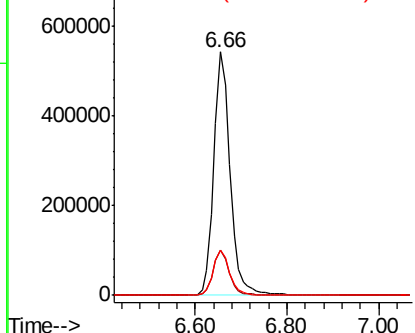
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VD059869.D
 Acq: 21 Aug 2018 21:34

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081618-FL-042

Tot Ion:114 Resp: 1324339
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 18.8 0.0 37.0

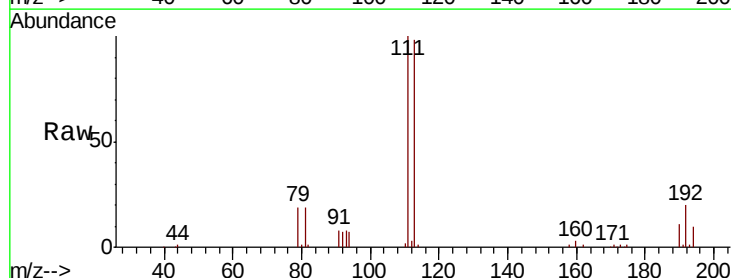


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

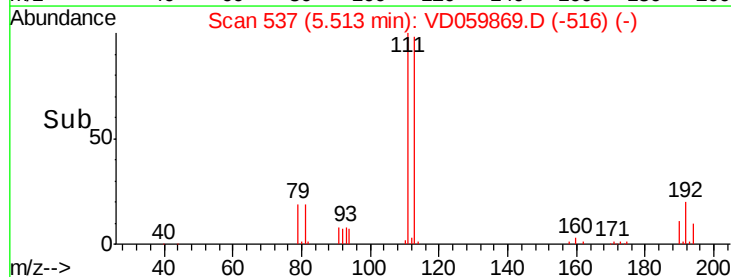
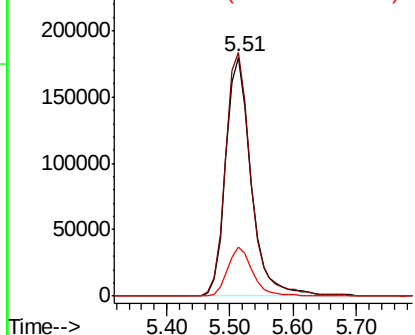


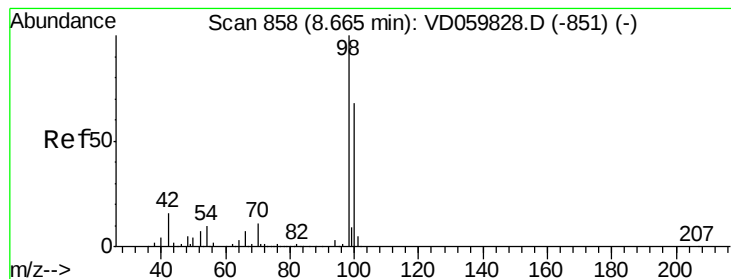
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VD059869.D
 Acq: 21 Aug 2018 21:34

Tgt Ion:113 Resp: 502851
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.3 124.9
 192 20.8 16.8 25.2



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.67 min Scan# 858

Delta R.T. 0.01 min

Lab File: VD059869.D

Acq: 21 Aug 2018 21:34

Instrument :

MSVOA_D

ClientSampleId :

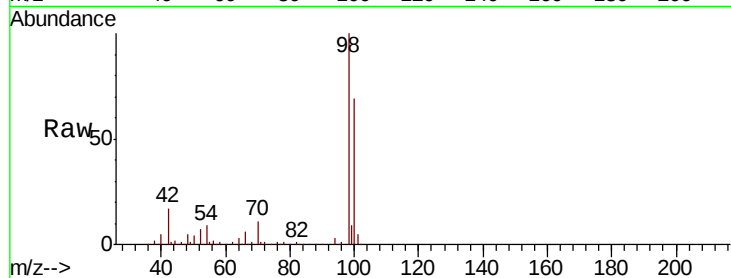
RA-081618-FL-042

Tot Ion: 98 Resp: 1290753

Ion Ratio Lower Upper

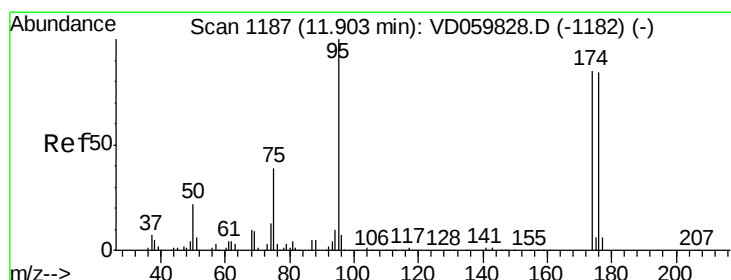
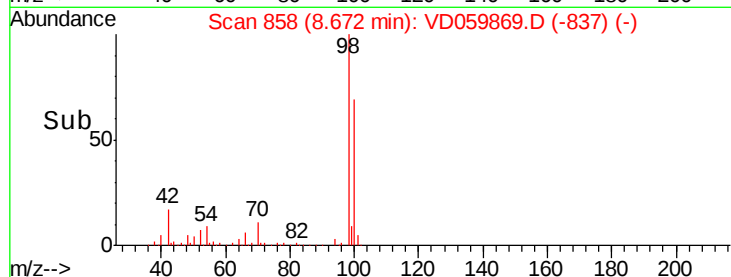
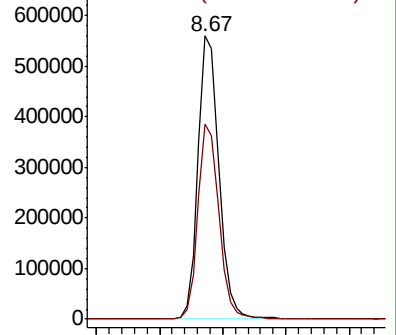
98 100

100 68.8 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.91 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VD059869.D

Acq: 21 Aug 2018 21:34

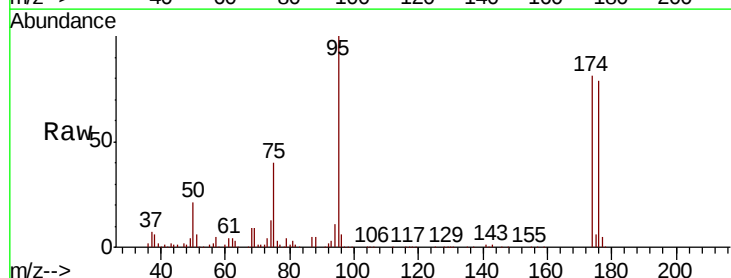
Tgt Ion: 95 Resp: 443579

Ion Ratio Lower Upper

95 100

174 81.1 0.0 169.2

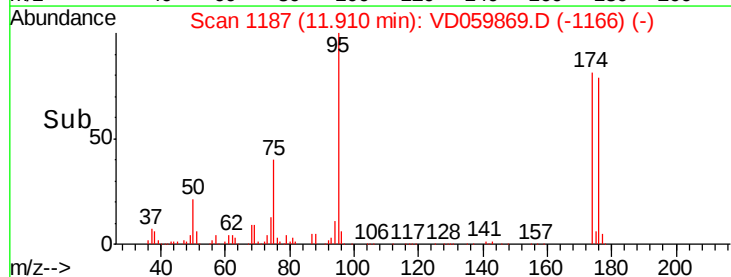
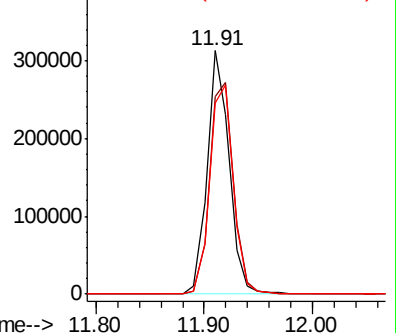
176 78.7 0.0 168.0

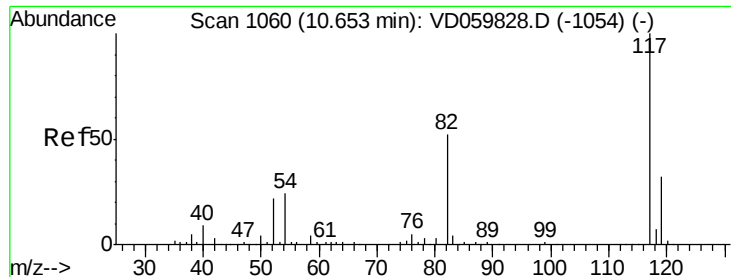


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): VDC

Ion 175.90 (175.60 to 176.60): VDC

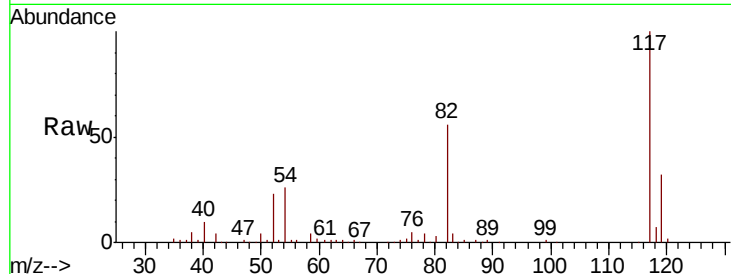




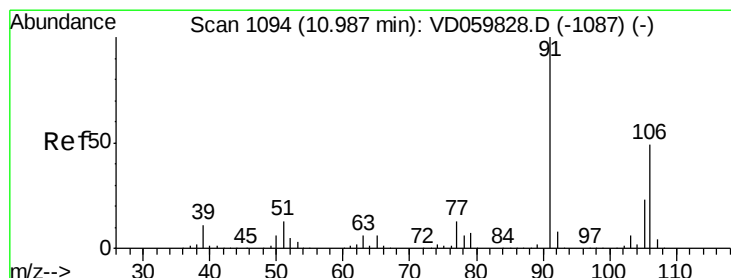
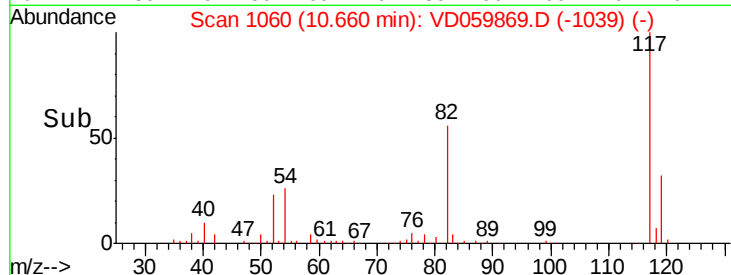
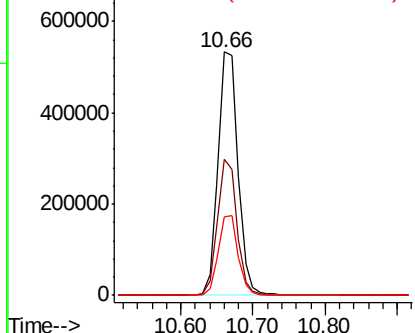
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.66 min Scan# 1060
Delta R.T. 0.01 min
Lab File: VD059869.D
Acq: 21 Aug 2018 21:34

Instrument :
MSVOA_D
ClientSampleId :
RA-081618-FL-042

Tot Ion:117 Resp: 1014577
Ion Ratio Lower Upper
117 100
82 56.1 41.6 62.4
119 32.1 25.6 38.4

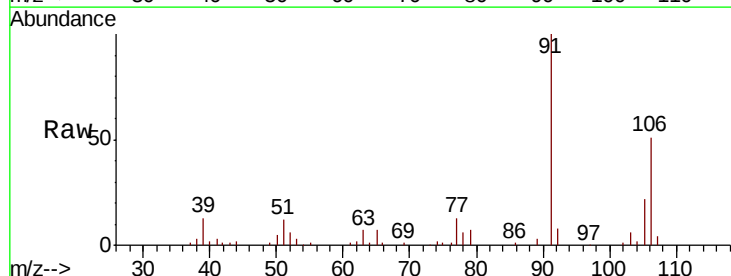


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

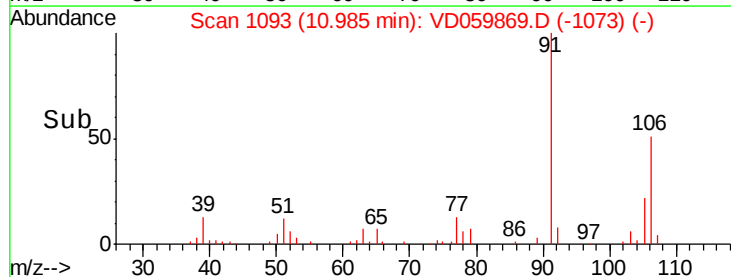
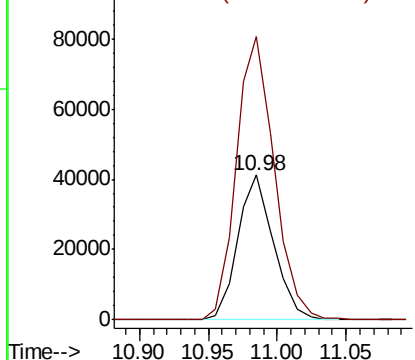


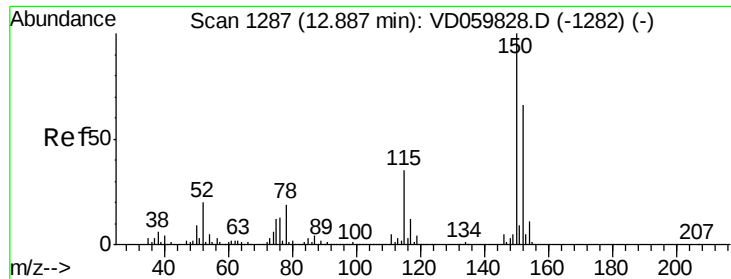
#68
m/p-Xylenes
Concen: 5.91 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059869.D
Acq: 21 Aug 2018 21:34

Tgt Ion:106 Resp: 74228
Ion Ratio Lower Upper
106 100
91 195.3 161.8 242.8



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD059869.D

Acq: 21 Aug 2018 21:34

Instrument :

MSVOA_D

ClientSampleId :

RA-081618-FL-042

Tot Ion:152 Resp: 420377

Ion Ratio Lower Upper

152 100

115 50.4 26.9 80.6

150 151.8 0.0 306.8

